

FIGURE 1

Clone LR4: hLH/CG Receptor Fusion with Thioredoxin Gene in pET32 Vector

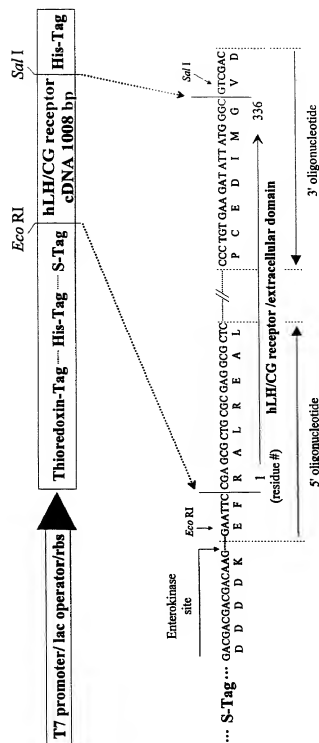
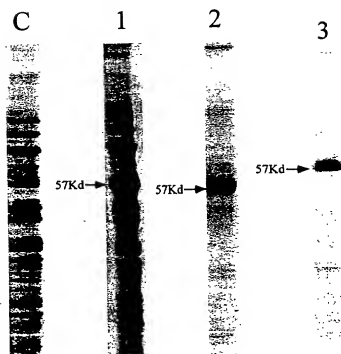


FIGURE 2

Non-reducing protein gels

Panel A



Western blots

Panel B

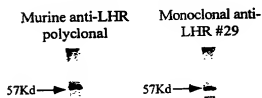


FIGURE 3

Affinity of hLH/CG receptor fusion protein

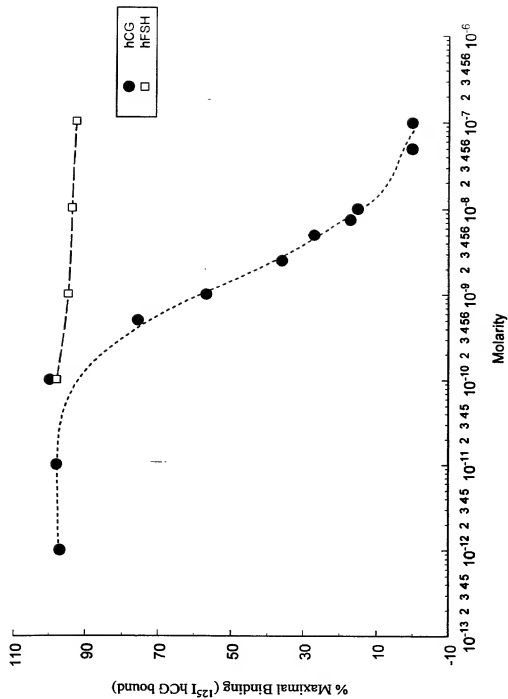
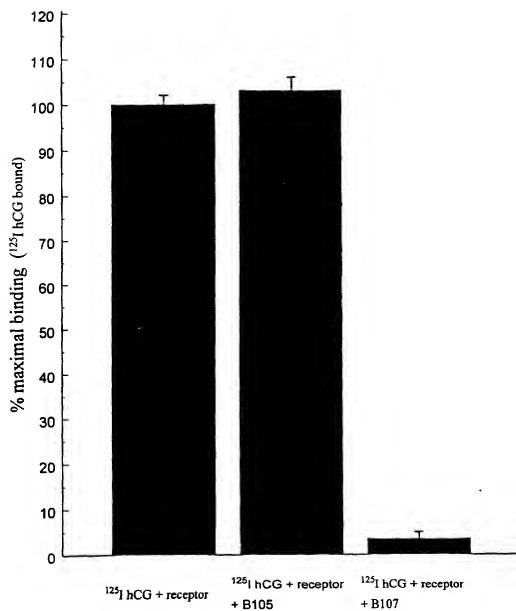


FIGURE 4

Effect of anti-hCG monoclonal antibodies  
on hCG binding to receptor fusion protein



### hFSH Receptor Fusion with Thioredoxin Gene in pET32 Vector

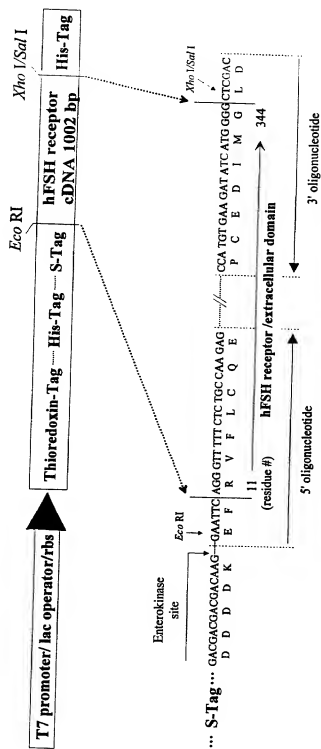


Figure 6A

1 atgagcgataaaattattcacctgactgac  
 31 gacagttttgacacggatgtactcaaaagcg  
 61 gacggggcgatcctctgtcgattttcgggca  
 91 gagggtgctgggtccgtgcacaaatgatcgcc  
 121 ccgattctggatgaaatcgctgacgaaat  
 151 cagggcacaaatgacgttgcacaaatgaa  
 181 atcgatcaaaacccctggcactgcccga  
 211 tatggcatccgtggtatcccgactctgctg  
 241 ctgttcaaaaacggggaagtgccggcaacc  
 271 aaagtgggtgacgtgtctaaaggctcgtg  
 301 aaagagtctctgacgctaaacctggccgggt  
 331 tctggttctggccatatgcacatcatcat  
 361 catcattcttctggtctgtggccacgcggt  
 391 tctggtatgaaagaaacgcgtgtgtctaa  
 421 ttcgaacgccagcacatggacagccagat  
 451 ctgggtaccgacgacgacgacaaaggccatg  
 481 gctgatattcggtccgaattcaggggtttt  
 511 ctctgccaaaggagcgaaggtgacagagatt  
 541 ccttctgacctcccgaggaaatgccattgaa  
 571 ctgaggtttgtctcaccacagcttcgagtc  
 601 atcaaaaaagggtgcatcttccaggattggg  
 631 gacctggagaaaaatagagatctctcagaat  
 661 gatgtcttggagggtgataggccagatgtg  
 691 ttctccacaccttcccaaatcatgaaatt  
 721 agaattgaaaaggccacaacctgtctac  
 751 atcacccctgaggccctccagaaccttccc  
 781 aaccttcaatatctgttaatatccaacaca  
 811 ggtattaaagcaccttccagatgttcaacag  
 841 attcattctctccaaaagggttttacttgac  
 871 attcaagataacataaaactccacacaatt  
 901 gaaaagaaattctttctggggctgagcttt  
 931 gaaagtgtgattctatggtctgaataagaa  
 961 gggattcaagaaatacacaaactgtgcattc  
 991 aatggaaacccaactagatgcagtgaaatcta  
 1021 agcgataataataatttagaagaattgcct  
 1051 aatgatgttttccacggagcctctggacca  
 1081 gtcatcttagatatttcaagaacaaggatc  
 1111 cattccctgcctagctatggccttagaaaa  
 1141 cttaagaagctgagggccagggtcgacttac  
 1171 aacttaaaaaagctgcctactctggaaaaag  
 1201 ctgtcgccctcatggaagccagcctcacc  
 1231 tatcccgacccattgtgtgcttcttgcacac  
 1261 tggagacggcaaatctctgagcttcatcca  
 1291 atttgcacaaatctattttaaaggcaagaa  
 1321 gttgattatgactcaggtcaggggtcag  
 1351 agatcctctctggcagaagacaatgagtc  
 1381 agctacagcagaggatttgacatgacgtac  
 1411 actgagttgactatgacttatgcaatgaa  
 1441 gtggttgacgtgacctgctcccctaagcca  
 1471 gatgcattcaacccatgtgaagatcatg  
 1501 ggggtgcacaagcttgcggccgcactcgag  
 1531 caccaccaccaccaccatga

## Figure 6B

1 MSDKIIHLTDDSFDTDLKADGAILVDFWA  
31 EWC GPC KMIAPILDEIADEYQGKLTVAKLN  
61 IDQNP GTAPKYGIRGIPTLLLFKNGEVAAT  
91 KVGALSKGQLKEFLDANLAGSGSGHMH  
121 HHSSGLVPRGSGMKETA AAKFERQHMDSPD  
151 LGTDDDDKAMADIGSEFRVFLCQESKVTEI  
181 PSDLPRNAIELRFVLT KLRVIQKGAFSGFG  
211 DLEKIEISQNDVLEVIEADVFSNLPKLHEI  
241 RIEKANNLLYITPEAFQNLPLNQLYLLISNT  
271 GIKHLPDVHKIHS LQKVLLDIQDNINIHTI  
301 ERNSFVGLSFESVILWLNKNGIQEIHNCAF  
331 NGTQLDAVNLS DNNNLEELPNDVFHGASGP  
361 VILDISRTRIHS LPSYGLENLKKLRARSTY  
391 NLKKLPTLEKLVALMEASLTYP SHCCAFAN  
421 WRRQISELHPICNKSILRQEV DYM TQARGQ  
451 RSSLAEDNESSYSRGFDMTYTEFDYDLCNE  
481 VVDVTCSPKPD AFNP CEDIMGVDKLAAALE  
511 HHHHHH\*

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**Figure 7A**

1 atgagcgataaaattattcacctgacfgac  
 31 gacagttttgacacggatgtactcaaaagg  
 61 gacgggggacatcctcgtcgtattctgggca  
 91 gagtgggtgcggctcogtgcaaaatgatgcc  
 121 ccgattctggatgaaatcgtgacgaatat  
 151 cagggcnaactgacccgttgcaaaactgaac  
 181 atcgatcaaaacccctggcactgcggcgaaa  
 211 tatggcatccgttggtatcccgactctgctg  
 241 ctgttcaaaaacgggtgaagtggcggcnaac  
 271 aaagtgggtgcactgtctaaaggtcagttg  
 301 aaagagtctctcgacgctaacctggccgggt  
 331 tctggttctggccatfatgacacatcatcat  
 361 catcattcttctgggtctgggtgccacgggt  
 391 tctggtatgaaagaaaccgctgctgctaa  
 421 ttcgaacgccagcacatggacagccagat  
 451 ctgggtacccgacgacgacgacaaaggccatg  
 481 gctgatatcggtatccgaattccgagcgctg  
 511 gcgagggcgctctgcccctgagcccctgcaac  
 541 tgcgtgcccgcacggcgccctgcgctgcccc  
 571 ggccccacggcgccgtctcactcgactatca  
 601 ctggcctacctccctgtcaaaagtgtatccca  
 631 tctcaagctttcagaggactaatgagggtc  
 661 ataaaaattgnaatctctcagattgattcc  
 691 ctggaaaaggatagaaagctaatgcctttgac  
 721 aacctctcctaatgtctgnaaatcctgac  
 751 cagaacacccaaaaatctgagatacattgag  
 781 cccggagcatttataaatcttccccgatta  
 811 aaatacttgagcatctgtaacacaggcctc  
 841 agaaaatttccagatgtttacgaaggctctc  
 871 tctctgnaatcaaatcttctggaatt  
 901 tggataacttacacataaccacatacca  
 931 ggnaatgctttcaagggaatgaatga  
 961 tctgtaacactcaaacctatatggnaatgga  
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 1051 gaaaacgctacatctgggagaagatgcacaa  
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 1111 accttgatattcttccacnaaattgcag  
 1141 gccctgcggagctatggcctagagtcatt  
 1171 cagaggctaatgtccacgtcatcctattct  
 1201 ctaaaaaaattgccatcaagagaaacattt  
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 1261 ccagccactgctgtgcttttagnaaactg  
 1291 ccaacnaaaagaaagaaattttcacattcc  
 1321 atttctgnaaaacttttccaaacaaatgtgaa  
 1351 agcacagtaaggnaaagtgataacnaaaaa  
 1381 ctttattcttccatgcttgcgtgagagtgaa  
 1411 ctgagtggtcgggactatgaataggtttc  
 1441 tgccttcccaagacccccgatgtgctcct  
 1471 gaaccagatgcttttaaccctgtgnaagat  
 1501 attatggggctcgacaaagcttgcggccgca  
 1531 ctcgagcaccaccaccaccaccactga



Figure 7B

1 MSDKIIHLTDDSFDTDLKADGAILVDFWA  
31 EWCGPCKMIAPILDEIADEYQGKLTVAKLN  
61 IDQNPGTAPKYGIRGIPTLLLFKNGEVAAT  
91 KVGALSKGQLKEFLDANLAGSGSGHMHMHH  
121 HHSSGLVPRGSGMKETAAKFERQHMDSPD  
151 LGTDDDDKAMADIGSEFRALREALCPEPCN  
181 CVPDGAALRCPGPTAGLTRLRLSLAYLPVKVIP  
211 SQAFRGLNEVIKIEISQIDSLERIEANAFD  
241 NLLNLSEILIQNTKNLRYIEPGAFINLPR  
271 KYLSICNTGIRKFPDVTKVFSSSENFLEI  
301 CDNLHITTIPGNAFQGMNNEVTLKLYGNG  
331 FEEVQSHAFNGTTLSLELKENVHLEKMHN  
361 GAFRGATGPKTLDISSTKLQALPSYGLESI  
391 QRLIATSSYSCLKLPSRETFVNLLLEATLTY  
421 PSHCCAFRNLPKTEQNFSHSISENFSKQCE  
451 STVRKVNNKTLTYSSMLAESELSGWDYEGF  
481 CLPKTPRCAPEPDAFNPCEDIMGVDKLAAA  
511 LEHHHHHH\*

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